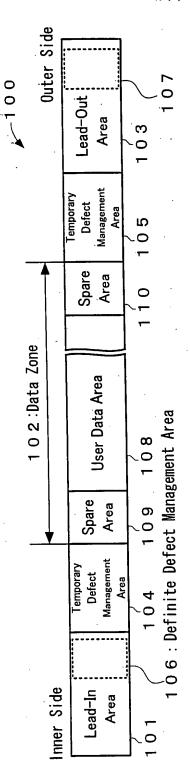
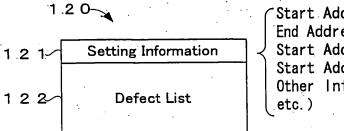
DOCKET NO.: 8048-1136
INVENTOR: TAKESHI KODA ET AL
FILING DATE: JANUARY 4, 2006
TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM,
REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM,
COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION,
AND DATA STRUCTURE INCLUDING CONTROL SIGNAL



TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM,
REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM,
COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION,
AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

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FIG. 2



Start Address of User Data Area End Address of User Data Area Start Address of Inner Spare Area Start Address of Outer Spare Area Other Info. (Size of each Area, etc.)

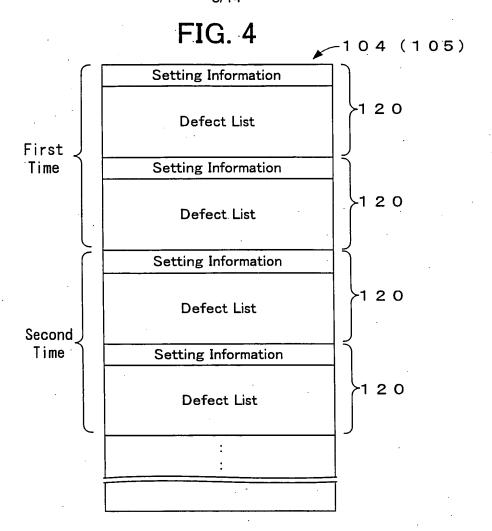
FIG. 3

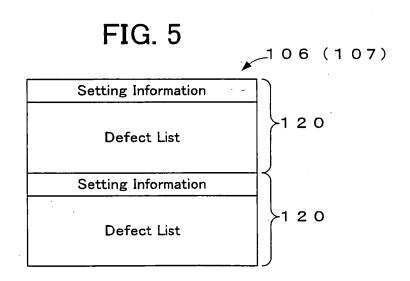
1 2 2

Defect Address	Spare Address	Other Info.
Address aaaa	Address gggg	
Address bbbb	Address kkkk	·
Address cccc	Address mmmm	
Address dddd	Address nnnn	

FILING DATE: JANUARY 4, 2006

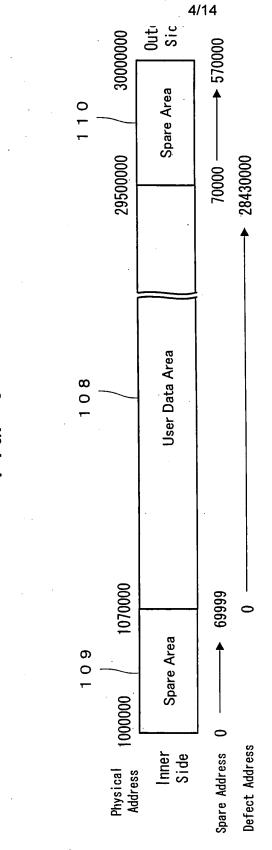
TITLE: INFORMATION RECORDING MEDIUM, RECORDING METHAD FOR INFORMATION RECORDING MEDIUM, REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL





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TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

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FIG. 7(a)

	4 Bytes	3 Bytes
	Defect Address	Spare Address
DFL Entry 1	Address A1	Address a1
DFL Entry 2	Address B1	Address b1
DFL Entry 3	Address C1	Address c1
DFL Entry 4	Address D1	Address d1

Defect List Generated by using Offset Address

FIG. 7(b)

4 Bytes	4 Bytes
Defect Address	Spare Address
Address A2	Address a2
Address B2	Address b2
Address C2	Address c2
Address D2	Address d2

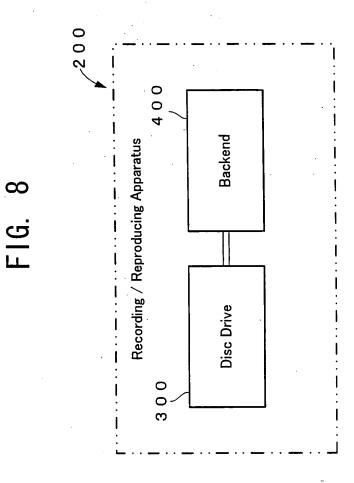
DFL Entry 1

DFL Entry 2

DFL Entry 3

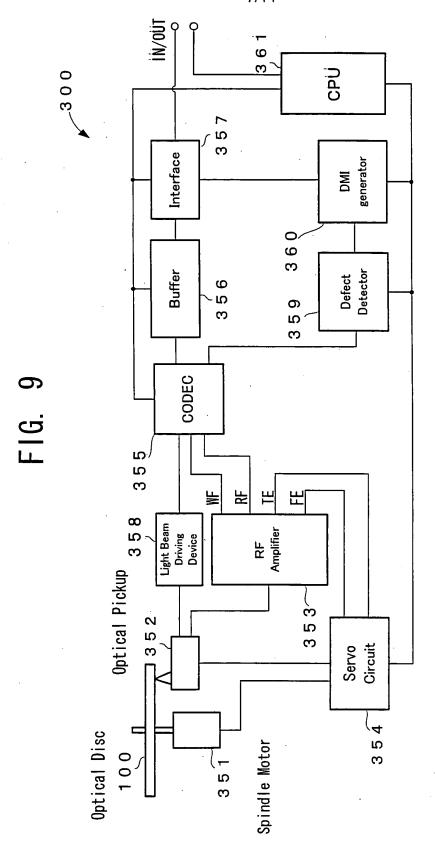
DFL Entry 4

Defect List Generated by using Physical Address DOCKET NO.: 8048-1136
INVENTOR: TAKESHI KODA ET AL
FILING DATE: JANUARY 4, 2006
TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM,
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COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION,
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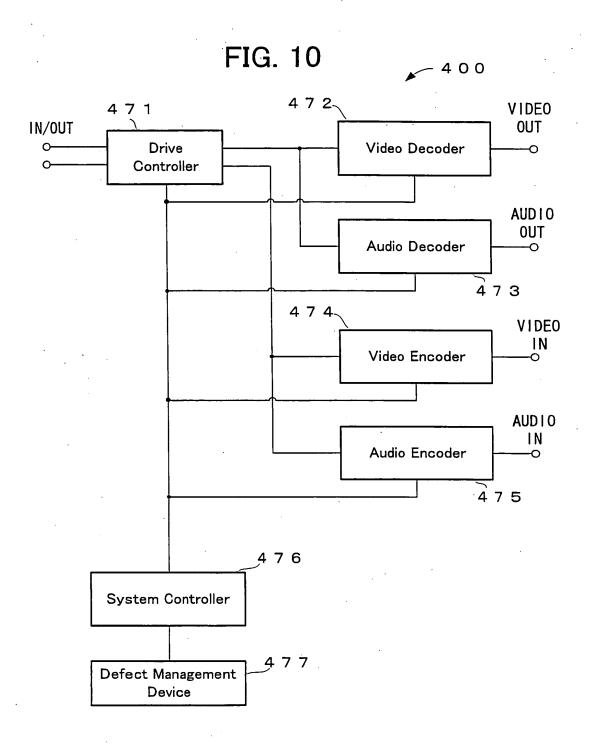
DOCKET NO.: 8048-1136
INVENTOR: TAKESHI KODA ET AL
FILING DATE: JANUARY 4, 2006

TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM,
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COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION,
AND DATA STRUCTURE INCLUDING CONTROL SIGNAL



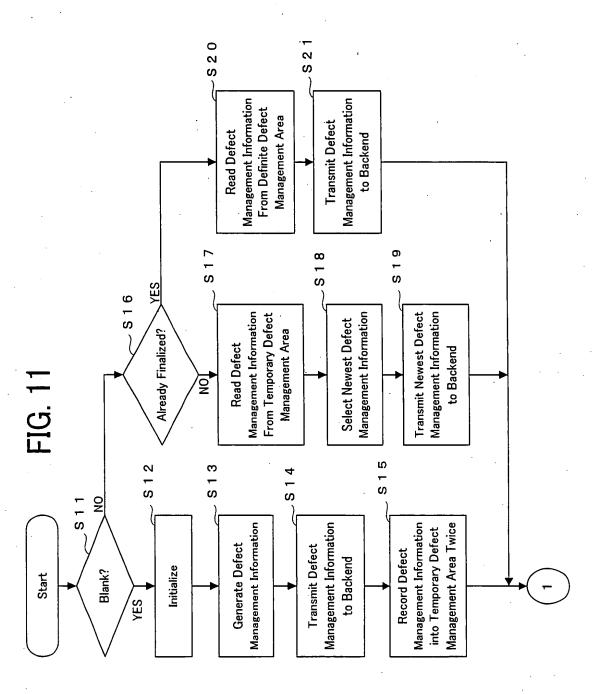
FILING DATE: JANUARY 4, ZUUD

TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

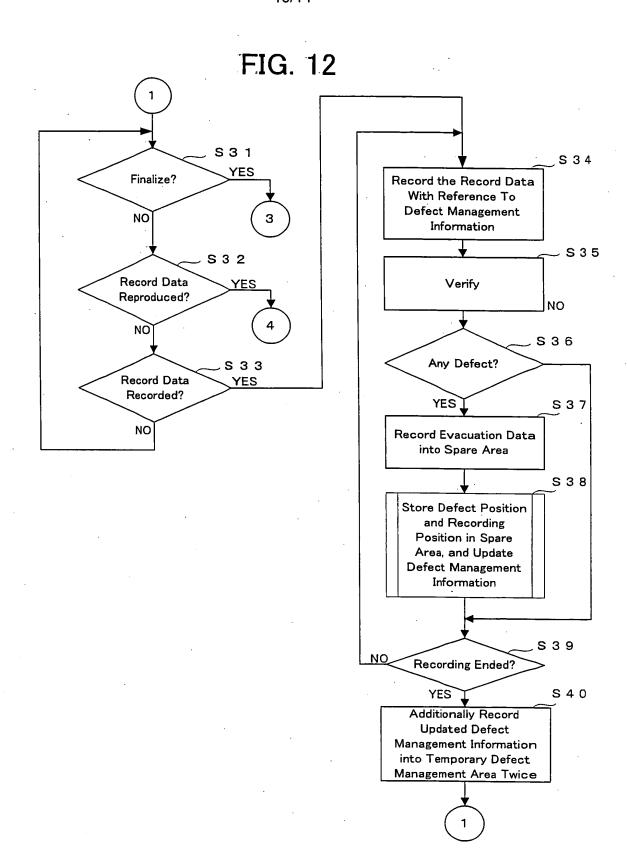


TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION,

AND DATA STRUCTURE INCLUDING CONTROL SIGNAL



TITLE: INFORMATION RECORDING MEDIUM, RECORDING MEDIUM, RECORDING MEDIUM, RECORDING MEDIUM, RECORDING MEDIUM, REPRODUCING MEDIUM, REPRODUCING MEDIUM, REPRODUCING MEDIUM, REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

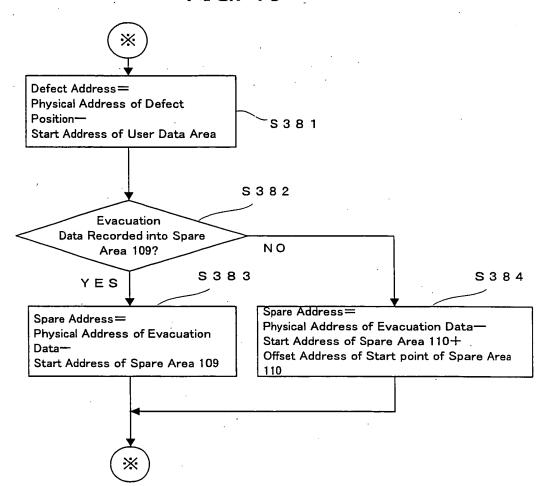


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REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

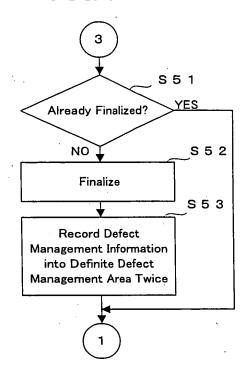
FIG. 13



TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

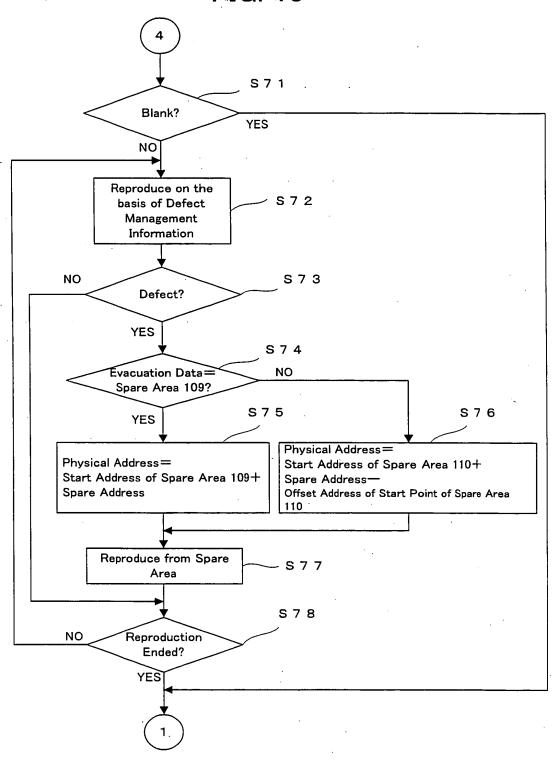
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FIG .14



TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM, REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM, COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

FIG. 15



DOCKET NO.: 8048-136

INVENTOR: TAKESHI KODA ET AL
FILING DATE: JANUARY 4, 2006

TITLE: INFORMATION RECORDING MEDIUM, RECORDING APPARATUS AND RECORDING METHOD FOR INFORMATION RECORDING MEDIUM,
REPRODUCING APPARATUS AND REPRODUCING METHOD FOR INFORMATION RECORDING MEDIUM,
COPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION,
AND DATA STRUCTURE INCLUDING CONTROL SIGNAL

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